

Kansas City WDA Region Occupational Projections 2021-2023

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Short-Term Occupational projections are produced every year and are published in March.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed occup

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter these projections.

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Major Occupation Groups Information

Occupation	SOC Code	Title	2021	2023	2021-2023		2020 Wages				Annual Openings			
			Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total
00-0000	Total, All Occupations		596,482	615,353	18,871	3.2%	\$28,854	\$53,876	\$42,734	\$65,791	25,612	39,584	9,436	74,632
11-0000	Management Occupations		33,271	34,490	1,219	3.7%	\$69,936	\$113,967	\$100,706	\$140,514	786	1,870	610	3,266
13-0000	Business and Financial Operations Occupations		41,445	42,427	982	2.4%	\$52,680	\$76,473	\$70,540	\$94,695	1,120	2,402	491	4,013
15-0000	Computer and Mathematical Occupations		26,771	27,764	993	3.7%	\$60,068	\$84,709	\$81,723	\$105,316	568	1,346	496	2,410
17-0000	Architecture and Engineering Occupations		8,835	9,062	227	2.6%	\$60,932	\$82,935	\$78,355	\$101,365	214	434	114	762
19-0000	Life, Physical, and Social Science Occupations		3,634	3,713	79	2.2%	\$50,273	\$73,239	\$66,858	\$91,057	78	255	40	373
21-0000	Community and Social Service Occupations		8,830	9,017	187	2.1%	\$34,185	\$44,767	\$41,212	\$53,364	285	568	94	947
23-0000	Legal Occupations		6,897	7,099	202	2.9%	\$45,613	\$84,664	\$63,845	\$112,274	204	303	101	608
25-0000	Education, Training, and Library Occupations		29,014	29,860	846	2.9%	\$32,281	\$51,229	\$44,352	\$60,951	1,148	1,322	423	2,893
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations		8,934	9,267	333	3.7%	\$35,182	\$55,537	\$50,158	\$69,023	322	572	166	1,060
29-0000	Healthcare Practitioners and Technical Occupations		38,654	39,696	1,042	2.7%	\$50,318	\$82,751	\$67,131	\$86,630	973	1,138	521	2,632
31-0000	Healthcare Support Occupations		22,576	23,214	638	2.8%	\$22,816	\$29,297	\$26,292	\$32,714	1,368	1,378	319	3,065
33-0000	Protective Service Occupations		11,791	12,017	226	1.9%	\$34,654	\$54,469	\$50,860	\$71,677	522	766	113	1,401
35-0000	Food Preparation and Serving Related Occupations		49,267	53,730	4,463	9.1%	\$20,366	\$27,597	\$25,296	\$30,891	3,803	5,264	2,232	11,299
37-0000	Building and Grounds Cleaning and Maintenance Occupations		16,062	16,652	590	3.7%	\$23,836	\$35,807	\$29,994	\$39,919	914	1,202	295	2,411
39-0000	Personal Care and Service Occupations		15,168	15,975	807	5.3%	\$20,623	\$29,401	\$24,616	\$32,961	1,027	1,210	404	2,641
41-0000	Sales and Related Occupations		54,663	55,629	966	1.8%	\$23,352	\$43,575	\$30,056	\$50,474	2,946	4,372	483	7,801
43-0000	Office and Administrative Support Occupations		78,683	79,357	674	0.9%	\$30,497	\$41,728	\$38,545	\$50,230	3,758	4,834	337	8,929
45-0000	Farming, Fishing, and Forestry Occupations		1,372	1,391	19	1.4%	\$22,996	\$32,505	\$28,673	\$36,786	58	157	10	225
47-0000	Construction and Extraction Occupations		29,573	31,148	1,575	5.3%	\$40,228	\$59,285	\$57,159	\$75,599	890	2,044	788	3,722
49-0000	Installation, Maintenance, and Repair Occupations		24,558	25,087	529	2.2%	\$36,961	\$49,985	\$47,853	\$61,182	776	1,594	264	2,634
51-0000	Production Occupations		37,104	37,240	136	0.4%	\$31,254	\$43,176	\$41,061	\$51,336	1,446	2,638	68	4,152
53-0000	Transportation and Material Moving Occupations		49,380	51,518	2,138	4.3%	\$26,325	\$36,440	\$32,897	\$44,325	2,408	3,914	1,069	7,391

Projections were made with historical data and information that was available at the time. Events that happen after these projections were made could alter these projections figures significantly.

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Top Job Openings

Openings based on job growth as well as replacement needs due to exits or transfers

Top Job Openings - Kansas City 2021-2023

SOC Code	Occupation Title	Percent Growth	Average Annual Wage	Annual Openings	Typical Education Required
35-3031	Waiters and Waitresses	9.9%	\$23,994	2,923	No formal educational credential
41-2011	Cashiers	1.4%	\$25,331	2,905	No formal educational credential
35-3023	Fast Food and Counter Workers	8.1%	\$27,656	2,872	No formal educational credential
53-7065	Stockers and Order Fillers	5.3%	\$30,842	2,016	High school diploma or equivalent
41-2031	Retail Salespersons	2.0%	\$29,592	1,931	No formal educational credential
31-1120	Home Health and Personal Care Aides	3.8%	\$25,033	1,656	High school diploma or equivalent
43-9061	Office Clerks, General	2.3%	\$37,683	1,600	High school diploma or equivalent
43-4051	Customer Service Representatives	0.8%	\$37,087	1,430	High school diploma or equivalent
11-1021	General and Operations Managers	4.1%	\$110,843	1,313	Bachelor's degree
35-2014	Cooks, Restaurant	14.8%	\$31,005	1,262	No formal educational credential
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3.4%	\$33,315	1,186	No formal educational credential
53-3032	Heavy and Tractor-Trailer Truck Drivers	2.6%	\$45,945	975	Postsecondary non-degree award
51-2090	Miscellaneous Assemblers and Fabricators	-1.2%	\$43,463	942	High school diploma or equivalent
29-1141	Registered Nurses	2.4%	\$70,465	912	Bachelor's degree
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2.2%	\$32,263	905	No formal educational credential
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	5.3%	\$94,814	899	Bachelor's degree
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	-0.5%	\$40,779	829	High school diploma or equivalent
39-9011	Childcare Workers	2.3%	\$24,717	744	High school diploma or equivalent
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9.6%	\$42,805	724	High school diploma or equivalent
13-2011	Accountants and Auditors	2.6%	\$72,536	709	Bachelor's degree

Source: 2021-2023 Short-Term Occupational Projections, Missouri Economic Research and Information Center

Fastest Growing Occupations

Fastest growth defined by percent growth from base year to projected year

Fastest Growing Occupations - Kansas City 2021-2023

SOC Code	Occupation Title	Percent Growth	Average Annual Wage	Annual Openings	Typical Education Required
43-4081	Hotel, Motel, and Resort Desk Clerks	23.3%	\$23,299	158	High school diploma or equivalent
35-2014	Cooks, Restaurant	14.8%	\$31,005	1,262	No formal educational credential
39-3031	Ushers, Lobby Attendants, and Ticket Takers	12.4%	\$25,157	189	No formal educational credential
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	12.4%	\$23,522	365	No formal educational credential
35-1011	Chefs and Head Cooks	11.2%	\$63,629	52	High school diploma or equivalent
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	11.0%	\$22,351	437	No formal educational credential
35-3011	Bartenders	10.6%	\$28,867	526	No formal educational credential
29-1171	Nurse Practitioners	10.2%	\$116,011	182	Master's degree
35-3031	Waiters and Waitresses	9.9%	\$23,994	2,923	No formal educational credential
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	9.6%	\$41,889	21	High school diploma or equivalent
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	9.6%	\$42,805	724	High school diploma or equivalent
27-4011	Audio and Video Equipment Technicians	8.9%	\$54,357	42	Postsecondary non-degree award
27-2042	Musicians and Singers	8.7%	n/a	63	No formal educational credential
39-3091	Amusement and Recreation Attendants	8.7%	\$27,022	292	No formal educational credential
37-2012	Maids and Housekeeping Cleaners	8.4%	\$24,605	692	No formal educational credential
39-9031	Fitness Trainers and Aerobics Instructors	8.2%	\$30,351	178	High school diploma or equivalent
35-3023	Fast Food and Counter Workers	8.1%	\$27,656	2,872	No formal educational credential
53-7051	Industrial Truck and Tractor Operators	8.0%	\$43,628	452	No formal educational credential
39-2021	Nonfarm Animal Caretakers	8.0%	\$26,631	237	High school diploma or equivalent
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	8.0%	\$23,559	91	High school diploma or equivalent

Occupations with less than 20 annual openings are omitted

Source: 2021-2023 Short-Term Occupational Projections, Missouri Economic Research and Information Center

All Occupation Information

Occupation	2021		2023		2021-2023				2020 Wages				Annual Openings				Education, Experience, and Training			
	SOC Code	Title	Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training			
00-0000 Total, All Occupations	596,482	615,353	18,871	3.2%	\$28,854	\$53,876	\$42,734	\$65,791	25,612	39,584	9,436	74,632								
11-0000 Management Occupations	33,271	34,490	1,219	3.7%	\$69,936	\$113,967	\$100,706	\$140,514	786	1,870	610	3,266								
11-1011 Chief Executives	1,146	1,148	2	0.2%	\$134,561	\$196,368	\$166,739	n/a	32	46	1	79	Bachelor's degree	5 years or more	None					
11-1021 General and Operations Managers	12,605	13,122	517	4.1%	\$56,949	\$110,843	\$89,476	\$139,373	257	798	258	1,313	Bachelor's degree	5 years or more	None					
11-1031 Legislators	136	136	0	0.0%	\$19,856	\$44,814	\$30,872	\$57,149	3	6	0	9	Bachelor's degree	Less than 5 years	None					
11-2011 Advertising and Promotions Managers	72	73	1	1.4%	\$84,842	\$127,733	\$118,892	\$159,861	2	6	0	8	Bachelor's degree	Less than 5 years	None					
11-2021 Marketing Managers	533	551	18	3.4%	\$85,700	\$132,338	\$115,955	\$167,266	11	34	9	54	Bachelor's degree	5 years or more	None					
11-2022 Sales Managers	943	963	20	2.1%	\$86,453	\$137,795	\$124,043	\$169,334	19	60	10	89	Bachelor's degree	Less than 5 years	None					
11-2031 Public Relations and Fundraising Managers	419	430	11	2.6%	\$71,436	\$118,751	\$105,872	\$146,447	11	24	6	41	Bachelor's degree	5 years or more	None					
11-3010 Administrative Services and Facilities Managers	1,240	1,278	38	3.1%	\$72,120	\$96,861	\$92,740	\$111,966	36	63	19	118	Bachelor's degree	Less than 5 years	None					
11-3021 Computer and Information Systems Managers	2,498	2,584	86	3.4%	\$102,066	\$133,768	\$131,927	\$157,537	42	144	43	229	Bachelor's degree	5 years or more	None					
11-3031 Financial Managers	2,106	2,190	84	4.0%	\$95,902	\$134,927	\$125,280	\$158,369	44	108	42	194	Bachelor's degree	5 years or more	None					
11-3051 Industrial Production Managers	587	595	8	1.4%	\$81,333	\$102,859	\$103,037	\$127,627	12	28	4	44	Bachelor's degree	5 years or more	None					
11-3061 Purchasing Managers	210	215	5	2.4%	\$93,478	\$119,407	\$119,788	\$134,869	4	12	2	18	Bachelor's degree	5 years or more	None					
11-3071 Transportation, Storage, and Distribution Managers	519	553	34	6.6%	\$81,398	\$112,851	\$103,375	\$129,993	10	30	17	57	High school diploma or equivalent	5 years or more	None					
11-3111 Compensation and Benefits Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None					
11-3121 Human Resources Managers	544	561	17	3.1%	\$93,681	\$124,180	\$115,293	\$140,914	13	31	8	52	Bachelor's degree	5 years or more	None					
11-3131 Training and Development Managers	n/a	n/a	n/a	n/a	\$85,152	\$105,017	\$101,910	\$124,944	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None					
11-9013 Farmers, Ranchers, and Other Agricultural Managers	772	786	14	1.8%	n/a	n/a	n/a	n/a	48	27	7	82	High school diploma or equivalent	5 years or more	None					
11-9021 Construction Managers	1,151	1,225	74	6.4%	\$69,749	\$95,883	\$91,629	\$114,658	24	60	37	121	Bachelor's degree	None	Moderate-term on-the-job training					
11-9031 Education Administrators, Preschool and Childcare Center/Program	152	155	3	2.0%	\$42,850	\$50,900	\$53,863	\$61,092	4	7	2	13	Bachelor's degree	Less than 5 years	None					
11-9032 Education Administrators, Elementary and Secondary School	1,113	1,144	31	2.8%	\$76,146	\$89,771	\$88,850	\$101,757	28	52	16	96	Master's degree	5 years or more	None					
11-9033 Education Administrators, Postsecondary	233	239	6	2.6%	\$73,072	\$122,329	\$102,245	\$157,501	6	11	3	20	Master's degree	Less than 5 years	None					
11-9039 Education Administrators, All Other	56	58	2	3.6%	\$60,860	\$88,083	\$85,342	\$118,107	2	2	1	5	Bachelor's degree	Less than 5 years	None					
11-9041 Architectural and Engineering Managers	395	404	9	2.3%	\$110,046	\$133,443	\$126,915	\$153,714	7	20	4	31	Bachelor's degree	5 years or more	None					
11-9051 Food Service Managers	542	583	41	7.6%	\$50,870	\$63,317	\$60,365	\$75,915	17	45	20	82	High school diploma or equivalent	Less than 5 years	None					
11-9071 Gaming Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None					
11-9081 Lodging Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None					
11-9111 Medical and Health Services Managers	1,405	1,498	93	6.6%	\$79,376	\$111,282	\$105,915	\$133,402	36	74	46	156	Bachelor's degree	Less than 5 years	None					
11-9121 Natural Sciences Managers	86	88	2	2.3%	\$108,894	\$138,573	\$129,785	\$166,531	2	4	1	7	Bachelor's degree	5 years or more	None	Moderate-term on-the-job training				
11-9131 Postmasters and Mail Superintendents	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None					
11-9141 Property, Real Estate, and Community Association Managers	1,531	1,583	52	3.4%	\$44,379	\$66,216	\$60,295	\$80,482	59	58	26	143	High school diploma or equivalent	Less than 5 years	None					
11-9151 Social and Community Service Managers	608	620	12	2.0%	\$53,254	\$69,812	\$67,798	\$83,014	18	33	6	57	Bachelor's degree	Less than 5 years	None					
11-9161 Emergency Management Directors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None					
11-9171 Funeral Home Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	Less than 5 years	None					
11-9198 Personal Service Managers; Entertainment & Recreation Managers, I	1,444	1,476	32	2.2%	\$89,765	\$115,129	\$115,855	\$134,325	34	72	16	122	Bachelor's degree	Less than 5 years	None					
13-0000 Business and Financial Operations Occupations	41,445	42,427	982	2.4%	\$52,680	\$76,473	\$70,540	\$94,695	1,120	2,402	491	4,013								
13-1011 Agents and Business Managers of Artists, Performers, and Athletes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training					
13-1020 Buyers and Purchasing Agents	1,174	1,171	-3	-0.3%	\$53,440	\$71,836	\$68,298	\$90,790	40	75	-2	113	Bachelor's degree	None	Long-term on-the-job training					
13-1031 Claims Adjusters, Examiners, and Investigators	1,938	1,947	9	0.5%	\$59,129	\$75,979	\$77,505	\$90,438	46	101	4	151	High school diploma or equivalent	None	Moderate-term on-the-job training					
13-1032 Insurance Appraisers, Auto Damage	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Moderate-term on-the-job training					
13-1041 Compliance Officers	1,304	1,324	20	1.5%	\$55,260	\$76,250	\$77,514	\$95,234	32	70	10	112	Bachelor's degree	None	Moderate-term on-the-job training					
13-1051 Cost Estimators	1,318	1,383	65	4.9%	\$53,873	\$80,109	\$76,530	\$104,402	38	82	32	152	Bachelor's degree	None	Moderate-term on-the-job training					
13-1071 Human Resources Specialists	2,939	3,033	94	3.2%	\$46,645	\$64,593	\$60,351	\$78,904	81	198	47	326	Bachelor's degree	None	Moderate-term on-the-job training					
13-1075 Labor Relations Specialists	1,031	1,008	-23	-2.2%</																

19-2042	Geoscientists, Except Hydrologists and Geographers	62	63	1	1.6%	\$67,126	\$83,111	\$87,786	\$100,776	1	5	0	6	Bachelor's degree	None	None
19-2043	Hydrologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	63	64	1	1.6%	\$80,085	\$103,133	\$101,375	\$119,824	1	4	0	5	Bachelor's degree	None	None
19-3011	Economists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	n/a	n/a	n/a	n/a	\$56,048	\$78,642	\$62,578	\$90,730	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
19-3039	Psychologists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	Internship/residency
19-3041	Sociologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3051	Urban and Regional Planners	92	94	2	2.2%	\$66,414	\$78,424	\$77,509	\$91,847	2	6	1	9	Master's degree	None	None
19-3091	Anthropologists and Archeologists	n/a	n/a	n/a	n/a	\$69,789	\$78,817	\$78,230	\$89,926	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3092	Geographers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
19-3093	Historians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	85	86	1	1.2%	\$58,743	\$75,051	\$75,437	\$87,837	2	6	0	8	Bachelor's degree	None	None
19-4010	Agricultural and Food Science Technicians	n/a	n/a	n/a	n/a	\$35,958	\$50,639	\$57,432	\$63,303	n/a	n/a	n/a	n/a	Associate degree	Moderate-term on-the-job training	
19-4021	Biological Technicians	227	233	6	2.6%	\$39,022	\$47,030	\$45,543	\$51,405	6	23	3	32	Bachelor's degree	None	None
19-4031	Chemical Technicians	170	174	4	2.4%	\$36,956	\$46,471	\$44,446	\$51,406	3	16	2	21	Associate degree	Moderate-term on-the-job training	
19-4042	Environmental Science and Protection Technicians, Including Health	85	87	2	2.4%	\$38,748	\$49,852	\$46,087	\$56,896	2	8	1	11	Associate degree	None	None
19-4045	Geological and Hydrologic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	Moderate-term on-the-job training	
19-4061	Social Science Research Assistants	195	200	5	2.6%	\$39,992	\$54,072	\$52,812	\$64,218	6	18	2	26	Bachelor's degree	None	None
19-4071	Forest and Conservation Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	Moderate-term on-the-job training	
19-4092	Forensic Science Technicians	60	62	2	3.3%	\$46,452	\$59,525	\$58,755	\$74,606	2	6	1	9	Bachelor's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All Other	108	109	1	0.9%	\$53,453	\$72,938	\$69,486	\$92,262	3	10	0	13	Associate degree	None	None
19-5011	Occupational Health and Safety Specialists	340	351	11	3.2%	\$58,036	\$72,842	\$71,561	\$87,459	10	15	6	31	Bachelor's degree	None	None
19-5012	Occupational Health and Safety Technicians	57	59	2	3.5%	\$42,612	\$62,694	\$49,483	\$65,243	2	2	1	5	High school diploma or equivalent	Moderate-term on-the-job training	
21-0000	Community and Social Service Occupations	8,830	9,017	187	2.1%	\$34,185	\$44,767	\$41,212	\$53,364	285	568	94	947			
21-1012	Educational, Guidance, School, and Vocational Counselors	1,408	1,444	36	2.6%	\$37,757	\$47,830	\$46,738	\$57,884	46	84	18	148	Master's degree	None	None
21-1013	Marriage and Family Therapists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	Internship/residency	
21-1015	Rehabilitation Counselors	972	991	19	2.0%	\$29,430	\$40,524	\$36,722	\$48,090	32	58	10	100	Master's degree	None	None
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselor	804	837	33	4.1%	\$37,894	\$46,194	\$44,907	\$51,734	26	48	16	90	Bachelor's degree	None	None
21-1019	Counselors, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
21-2012	Child, Family, and School Social Workers	1,720	1,749	29	1.7%	\$33,736	\$38,885	\$37,796	\$43,119	48	110	14	172	Bachelor's degree	None	None
21-2022	Healthcare Social Workers	1,049	1,071	22	2.1%	\$44,095	\$56,321	\$57,047	\$66,516	30	67	11	108	Master's degree	Internship/residency	
21-2023	Mental Health and Substance Abuse Social Workers	191	194	3	1.6%	\$32,357	\$41,898	\$37,742	\$46,780	6	12	2	20	Master's degree	Internship/residency	
21-2029	Social Workers, All Other	166	168	2	1.2%	\$65,792	\$71,814	\$73,294	\$81,900	4	10	1	15	Bachelor's degree	None	None
21-2091	Health Educators	248	254	6	2.4%	\$37,137	\$54,011	\$49,637	\$62,742	8	18	3	29	Bachelor's degree	None	None
21-2092	Probation Officers and Correctional Treatment Specialists	205	200	-5	-2.4%	\$47,478	\$39,104	\$38,724	\$42,729	4	12	-2	14	Bachelor's degree	Short-term on-the-job training	
21-2093	Social and Human Service Assistants	1,175	1,193	18	1.5%	\$25,906	\$33,058	\$31,808	\$38,420	47	90	9	146	High school diploma or equivalent	Short-term on-the-job training	
21-2094	Community Health Workers	304	310	6	2.0%	\$34,390	\$43,599	\$40,292	\$51,227	10	21	3	34	High school diploma or equivalent	Short-term on-the-job training	
21-2099	Community and Social Service Specialists, All Other	303	312	9	3.0%	\$35,333	\$44,228	\$43,915	\$52,301	10	21	4	35	Bachelor's degree	None	None
21-2011	Clergy	182	187	5	2.8%	\$46,696	\$56,864	\$55,759	\$62,412	8	10	2	20	Bachelor's degree	Moderate-term on-the-job training	
21-2021	Directors, Religious Activities and Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	
21-2099	Religious Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	
23-0000	Legal Occupations	6,897	7,099	202	2.9%	\$45,613	\$84,664	\$63,845	\$112,274	204	303	101	608			
23-3011	Lawyers	3,596	3,705	109	3.0%	\$70,719	\$117,818	\$107,623	\$145,982	79	90	54	223	Doctoral or professional degree	None	None
23-3012	Judicial Law Clerks	51	51	0	0.0%	\$43,612	\$55,334	\$48,082	\$54,875	2	2	0	4	Doctoral or professional degree	None	None
23-3021	Administrative Law Judges, Adjudicators, and Hearing Officers	n/a	n/a	n/a	n/a	\$133,528	\$150,149	\$164,462	\$181,487	n/a	n/a	n/a	n/a	Doctoral or professional degree	5 years or more	Short-term on-the-job training
23-3022	Arbitrators, Mediators, and Conciliators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
23-3023	Judges, Magistrate Judges, and Magistrates	85	82	-3	-3.5%	\$115,787	\$145,684	\$153,905	\$183,711	2	2	-2	2	Doctoral or professional degree	5 years or more	Short-term on-the-job training
23-3024	Paralegals and Legal Assistants	2,491	2,573	82	3.3%	\$36,916	\$49,812	\$51,451	\$61,321	98	171	41	310	Associate degree	None	None
23-3093	Title Examiners, Abstractors, and Searchers	488	499	11	2.3%	\$31,783	\$42,676	\$38,579	\$54,313	18	29	6	53	High school diploma or equivalent	Moderate-term on-the-job training	
23-3099	Legal Support Workers, All Other	125	127	2	1.6%	\$48,390	\$58,563	\$54,452	\$62,326	4	8	1	13	Associate degree	None	
25-0000	Education, Training, and Library Occupations	29,014	29,860	846	2.9%	\$32,281	\$51,229	\$44,352	\$60,951	1,148	1,322	423	2,893 </			

27-3091	Interpreters and Translators	189	195	6	3.2%	\$36,895	\$46,827	\$45,356	\$53,200	8	10	3	21	Bachelor's degree	None	None
27-3092	Court Reporters and Simultaneous Captioners	47	46	-1	-2.1%	n/a	n/a	n/a	n/a	2	2	0	4	Postsecondary non-degree award	None	Short-term on-the-job training
27-3099	Media and Communication Workers, All Other	69	79	10	14.5%	\$23,836	\$47,622	\$44,027	\$61,677	3	4	5	12	High school diploma or equivalent	None	Short-term on-the-job training
27-4011	Audio and Video Equipment Technicians	282	307	25	8.9%	\$41,845	\$54,357	\$51,022	\$66,536	8	22	12	42	Postsecondary non-degree award	None	Short-term on-the-job training
27-4012	Broadcast Technicians	84	87	3	3.6%	\$34,555	\$47,959	\$44,177	\$62,524	2	6	2	10	Associate degree	None	Short-term on-the-job training
27-4014	Sound Engineering Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training
27-4021	Photographers	485	509	24	5.0%	\$21,727	\$33,163	\$27,904	\$39,183	17	28	12	57	High school diploma or equivalent	None	Moderate-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	62	65	3	4.8%	\$44,299	\$53,011	\$50,493	\$60,186	2	4	2	8	Bachelor's degree	None	None
27-4032	Film and Video Editors	n/a	n/a	n/a	n/a	\$36,091	\$55,199	\$50,035	\$71,131	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
27-4098	Lighting Technicians and Media and Communication Equipment Workers	n/a	n/a	n/a	n/a	\$59,005	\$88,807	\$90,110	\$113,656	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
29-0000 Healthcare Practitioners and Technical Occupations		38,654	39,696	1,042	2.7%	\$50,318	\$82,751	\$67,131	\$86,630	973	1,138	521	2,632			
29-1011	Chiropractors	409	419	10	2.4%	n/a	n/a	n/a	n/a	6	4	5	15	Doctoral or professional degree	None	None
29-1021	Dentists, General	254	259	5	2.0%	\$123,385	\$173,573	\$149,100	n/a	4	2	2	8	Doctoral or professional degree	None	None
29-1022	Oral and Maxillofacial Surgeons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1029	Dentists, All Other Specialists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	276	284	8	2.9%	\$56,523	\$64,227	\$62,474	\$71,968	9	10	4	23	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	196	200	4	2.0%	\$94,945	\$160,950	\$110,195	n/a	4	2	2	8	Doctoral or professional degree	None	None
29-1051	Pharmacists	1,324	1,331	7	0.5%	\$104,474	\$118,029	\$123,142	\$143,815	24	26	4	54	Doctoral or professional degree	None	None
29-1071	Physician Assistants	200	214	14	7.0%	\$92,136	\$118,318	\$109,188	\$130,301	3	8	7	18	Master's degree	None	None
29-1081	Podiatrists	47	47	0	0.0%	\$113,381	\$152,057	\$140,310	\$164,162	2	2	0	4	Doctoral or professional degree	None	Internship/residency
29-1122	Occupational Therapists	393	404	11	2.8%	\$71,373	\$83,080	\$83,498	\$96,756	8	13	6	27	Master's degree	None	None
29-1123	Physical Therapists	844	883	39	4.6%	\$74,943	\$86,832	\$88,481	\$99,621	17	18	20	55	Doctoral or professional degree	None	None
29-1124	Radiation Therapists	75	77	2	2.7%	\$70,946	\$83,331	\$79,741	\$93,107	2	2	1	5	Associate degree	None	None
29-1125	Recreational Therapists	75	75	0	0.0%	\$43,529	\$55,239	\$51,370	\$62,442	2	4	0	6	Bachelor's degree	None	None
29-1126	Respiratory Therapists	744	788	44	5.9%	\$51,260	\$61,839	\$59,835	\$68,981	16	20	22	58	Associate degree	None	None
29-1127	Speech-Language Pathologists	420	445	25	6.0%	\$65,198	\$77,776	\$78,073	\$93,000	10	16	12	38	Master's degree	None	Internship/residency
29-1128	Exercise Physiologists	88	92	4	4.6%	\$42,900	\$52,011	\$47,942	\$56,172	3	3	2	8	Bachelor's degree	None	None
29-1129	Therapists, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	None
29-1131	Veterinarians	340	356	16	4.7%	\$58,440	\$83,231	\$86,562	\$103,565	6	6	8	20	Doctoral or professional degree	None	None
29-1141	Registered Nurses	14,156	14,496	340	2.4%	\$59,859	\$70,465	\$70,319	\$80,141	382	360	170	912	Bachelor's degree	None	None
29-1151	Nurse Anesthetists	n/a	n/a	n/a	n/a	\$150,324	\$197,399	\$169,052	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
29-1161	Nurse Midwives	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None
29-1171	Nurse Practitioners	1,710	1,885	175	10.2%	\$95,470	\$116,011	\$111,155	\$129,588	38	56	88	182	Master's degree	None	None
29-1181	Audiologists	36	38	2	5.6%	\$67,757	\$74,014	\$74,432	\$80,979	1	0	1	2	Doctoral or professional degree	None	None
29-1211	Anesthesiologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1215	Family Medicine Physicians	2,386	2,423	37	1.6%	\$156,831	\$224,312	n/a	n/a	38	27	18	83	Doctoral or professional degree	None	Internship/residency
29-1216	General Internal Medicine Physicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctoral or professional degree	None	Internship/residency
29-1218	Obstetricians and Gynecologists	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctor or professional degree	None	Internship/residency
29-1221	Pediatricians, General	292	295	3	1.0%	n/a	n/a	n/a	n/a	4	4	2	10	Doctor or professional degree	None	Internship/residency
29-1223	Psychiatrists	n/a	n/a	n/a	n/a	\$275,786	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctor or professional degree	None	Internship/residency
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	951	968	17	1.8%	\$62,123	\$166,536	\$131,184	n/a	16	11	8	35	Doctor or professional degree	None	Internship/residency
29-1248	Surgeons, Except Ophthalmologists	69	69	0	0.0%	\$182,566	\$225,746	n/a	n/a	1	1	0	2	Doctor or professional degree	None	Internship/residency
29-1292	Dental Hygienists	595	610	15	2.5%	\$70,033	\$74,401	\$75,220	\$80,477	22	15	8	45	Associate degree	None	None
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners,	85	86	1	1.2%	\$57,590	\$72,863	\$66,043	\$84,061	4	2	0	6	Master's degree	None	None
29-2010	Clinical Laboratory Technologists and Technicians	1,326	1,364	38	2.9%	\$36,600	\$53,028	\$50,748	\$69,038	34	50	19	103	Bachelor's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	138	141	3	2.2%	\$46,418	\$62,942	\$65,764	\$78,609	4	6	2	12	Associate degree	None	None
29-2032	Diagnostic Medical Sonographers	350	366	16	4.6%	\$72,284	\$82,521	\$81,720	\$94,185	10	16	8	34	Associate degree	None	None
29-2033	Nuclear Medicine Technologists	91	94	3	3.3%	\$75,096	\$84,148	\$85,566	\$95,975	2	4	2	8	Associate degree	None	None
29-2034	Radiologic Technologists	888	912	24	2.7%	\$49,186	\$57,962	\$57,987	\$65,726	24	38	12	74	Associate degree	None	None
29-2035	Magnetic Resonance Imaging Technologists	212	217	5	2.4%	\$64,256	\$69,995	\$71,088	\$77,944	6	9	2	17	Associate degree	Less than 5 years	None
29-2040	Emergency Medical Technicians and Paramedics	1,108	1,136	28	2.5%	\$47,406	\$73,998	\$33,413	\$48,423	21	52	14	87	Postsecondary non-degree award	None	None
29-2051	Dietetic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	1,957	1,981	24	1.2%	\$26,315	\$3									

39-3031	Ushers, Lobby Attendants, and Ticket Takers	621	698	77	12.4%	\$20,996	\$25,157	\$23,494	\$26,037	84	67	38	189	No formal educational credential	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	1,116	1,213	97	8.7%	\$20,189	\$27,022	\$22,383	\$29,423	114	130	48	292	No formal educational credential	None	Short-term on-the-job training
39-3092	Costume Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	352	380	28	8.0%	\$19,847	\$23,559	\$21,336	\$24,962	36	41	14	91	High school diploma or equivalent	None	Short-term on-the-job training
39-3099	Entertainment Attendants and Related Workers, All Other	62	72	10	16.1%	\$20,386	\$37,773	\$32,889	\$55,554	6	8	5	19	High school diploma or equivalent	None	Short-term on-the-job training
39-4011	Embalmers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	Long-term on-the-job training
39-4021	Funeral Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-4031	Morticians, Undertakers, and Funeral Directors	n/a	n/a	n/a	n/a	\$23,734	\$58,385	\$43,166	\$95,634	n/a	n/a	n/a	n/a	Associate degree	None	Long-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,596	2,722	126	4.9%	\$21,575	\$30,735	\$27,021	\$36,787	141	148	63	352	Postsecondary non-degree award	None	None
39-5092	Manicurists and Pedicurists	n/a	n/a	n/a	n/a	\$30,018	\$46,226	\$37,549	\$56,127	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-5094	Skincare Specialists	n/a	n/a	n/a	n/a	\$20,133	\$26,308	\$25,928	\$30,661	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	None
39-6011	Baggage Porters and Bellhops	n/a	n/a	n/a	n/a	\$24,917	\$36,576	\$33,677	\$46,364	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-6012	Concierges	n/a	n/a	n/a	n/a	\$25,227	\$33,905	\$33,581	\$39,806	4	6	3	13	High school diploma or equivalent	None	Moderate-term on-the-job training
39-7010	Tour and Travel Guides	67	73	6	9.0%	\$24,108	\$32,618	\$30,477	\$39,079	54	88	11	153	High school diploma or equivalent	None	Short-term on-the-job training
39-9011	Childcare Workers	4,951	5,065	114	2.3%	\$20,085	\$24,717	\$22,935	\$27,386	337	350	57	744	High school diploma or equivalent	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	890	963	73	8.2%	\$19,966	\$30,351	\$20,795	\$35,508	54	88	36	178	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	922	944	22	2.4%	\$24,108	\$32,618	\$30,477	\$39,079	54	88	11	153	High school diploma or equivalent	None	Short-term on-the-job training
39-9041	Residential Advisors	n/a	n/a	n/a	n/a	\$27,962	\$36,625	\$35,701	\$45,570	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	n/a	n/a	n/a	n/a	\$24,877	\$33,895	\$32,385	\$39,863	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
41-0000 Sales and Related Occupations	54,663	55,629	966	1.8%	\$23,352	\$43,575	\$30,056	\$50,474	2,946	4,372	483	7,801				
41-1011	First-Line Supervisors of Retail Sales Workers	4,317	4,345	28	0.7%	\$24,297	\$46,450	\$41,790	\$53,224	153	300	14	467	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	1,429	1,417	-12	-0.8%	\$51,979	\$78,340	\$72,442	\$94,563	41	84	-6	119	High school diploma or equivalent	Less than 5 years	None
41-2011	Cashiers	15,355	15,573	218	1.4%	\$21,672	\$25,331	\$24,233	\$27,631	1,316	1,480	109	2,905	No formal educational credential	None	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	1,433	1,510	77	5.4%	\$23,501	\$35,551	\$27,435	\$39,153	66	101	38	205	No formal educational credential	None	Short-term on-the-job training
41-2022	Parts Salespersons	n/a	n/a	n/a	n/a	\$34,875	\$46,697	\$41,858	\$56,077	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	12,884	13,141	257	2.0%	\$20,986	\$29,592	\$25,578	\$31,290	728	1,075	128	1,931	No formal educational credential	None	Short-term on-the-job training
41-3011	Advertising Sales Agents	651	654	3	0.5%	\$26,081	\$37,362	\$35,446	\$40,520	10	6	2	18	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	2,815	2,889	74	2.6%	\$28,147	\$52,192	\$42,912	\$60,134	95	160	37	292	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,131	2,134	3	0.1%	\$42,818	\$102,635	\$84,839	\$132,391	47	134	2	183	Bachelor's degree	None	Moderate-term on-the-job training
41-3041	Travel Agents	170	171	1	0.6%	\$36,110	\$50,129	\$44,708	\$60,675	8	12	0	20	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Finance, and Real Estate	3,507	3,596	89	2.5%	\$40,703	\$63,976	\$57,294	\$77,449	89	312	44	445	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Medical Equipment	1,030	1,040	10	1.0%	\$49,833	\$85,044	\$69,259	\$100,401	30	70	5	105	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Medical Equipment	3,855	3,957	102	2.7%	\$43,725	\$68,284	\$58,808	\$82,570	116	264	51	431	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4011	Demonstrators and Product Promoters	95	98	3	3.2%	\$26,081	\$37,362	\$35,446	\$40,520	10	6	2	18	No formal educational credential	None	Short-term on-the-job training
41-9012	Models	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	None
41-9021	Real Estate Brokers	990	1,028	38	3.8%	\$35,340	\$71,397	\$87,507	\$101,000	42	44	19	105	High school diploma or equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	1,352	1,400	48	3.6%	\$35,817	\$59,025	\$55,587	\$76,009	57	60	24	141	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9031	Sales Engineers	205	207	2	1.0%	\$59,844	\$79,128	\$72,589	\$92,764	4	17	1	22	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	289	283	-6	-2.1%	\$24,038	\$33,160	\$33,531	\$39,216	13	29	-3	39	No formal educational credential	None	Short-term on-the-job training
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Sales,修整和包装工人的工作	n/a	n/a	n/a	n/a	\$28,684	\$46,754	\$32,546	\$38,624	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	753	762	9	1.2%	\$22,050	\$28,055	\$24,135	\$28,419	34	62	4	100	High school diploma or equivalent	None	None
43-0000 Office and Administrative Support Occupations	78,683	79,357	674	0.9%	\$30,497	\$41,722	\$38,545	\$50,230	3,758	4,834	337	8,929				
43-1011	First-Line Supervisors of Office and Administrative Support Workers	5,013	5,070	57	1.1%	\$47,072	\$63,337	\$60,274	\$74,823	187	308	28	523	High school diploma or equivalent	Less than 5 years	None
43-2011	Switchboard Operators, Including Answering Service	211	208	-3	-1.4%	\$26,676	\$31,954	\$31,340	\$37,255	11	12	-2	21	High school diploma or equivalent	None	Short-term on-the-job training
43-2021	Telephone Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
43-2091	Communications Equipment Operators, All Other	n/a	n/a	n/a	n/a	\$36,303	\$47,583	\$42,195	\$53,423	16	32	-4	44	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3011	Bill and Account Collectors	461	453	-8	-1.7%	\$36,303	\$47,583	\$42,195	\$53,423	n/a	n/a	n/a	n/a	No formal educational credential	None</	

47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	
47-3016	Helpers--Roofers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	
47-3019	Helpers, Construction Trades, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	
47-4011	Construction and Building Inspectors	451	446	-5	-1.1%	\$46,455	\$56,501	\$53,904	\$64,063	24	27	-2	49	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4021	Elevator Installers and Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Apprenticeship		
47-4031	Fence Erectors	n/a	n/a	n/a	n/a	\$41,857	\$61,174	\$69,942	\$77,430	n/a	n/a	n/a	No formal educational credential	Moderate-term on-the-job training		
47-4041	Hazardous Materials Removal Workers	132	135	3	2.3%	\$34,120	\$42,200	\$37,599	\$43,314	5	11	2	18	High school diploma or equivalent	Moderate-term on-the-job training	
47-4051	Highway Maintenance Workers	668	680	12	1.8%	\$35,644	\$45,031	\$41,853	\$56,111	26	42	6	74	High school diploma or equivalent	Moderate-term on-the-job training	
47-4061	Rail-Track Laying and Maintenance Equipment Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	94	95	1	1.1%	\$35,497	\$39,725	\$39,525	\$45,591	3	8	0	11	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4090	Miscellaneous Construction and Related Workers	n/a	n/a	n/a	n/a	\$38,858	\$47,139	\$45,981	\$51,519	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	
47-5012	Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	203	216	13	6.4%	\$40,327	\$57,353	\$58,755	\$75,488	6	18	6	30	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance	36	36	0	0.0%	\$44,678	\$55,928	\$56,831	\$67,666	1	3	0	4	High school diploma or equivalent		Long-term on-the-job training
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Moderate-term on-the-job training		
49-0000 Installation, Maintenance, and Repair Occupations		24,558	25,087	529	2.2%	\$36,961	\$49,985	\$47,853	\$61,182	776	1,594	264	2,634			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1,521	1,538	17	1.1%	\$48,162	\$66,722	\$68,160	\$84,173	44	91	8	143	High school diploma or equivalent	Less than 5 years	None
49-2011	Computer, Automated Teller, and Office Machine Repairers	216	223	7	3.2%	\$31,857	\$43,264	\$43,119	\$51,452	6	16	4	26	Some college, no degree		Short-term on-the-job training
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	n/a	n/a	n/a	n/a	\$36,233	\$44,086	\$42,775	\$51,580	n/a	n/a	n/a	Associate degree	Moderate-term on-the-job training		
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Equipment	856	773	-83	-9.7%	\$46,080	\$54,718	\$55,185	\$62,456	28	62	-42	48	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	None	
49-2092	Electric Motor, Power Tool, and Related Repairers	n/a	n/a	n/a	n/a	\$20,075	\$39,555	\$25,687	\$56,331	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	57	56	-1	-1.8%	n/a	n/a	n/a	n/a	2	3	0	5	Postsecondary non-degree award		Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	44	46	2	4.6%	\$41,217	\$49,065	\$48,109	\$56,972	1	2	1	4	Postsecondary non-degree award		Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Related Equipment	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	
49-2096	Electrical Equipment Installers and Repairers, Motor Vehicles	166	182	16	9.6%	\$36,752	\$41,889	\$42,719	\$48,206	5	8	8	21	High school diploma or equivalent	Moderate-term on-the-job training	
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	n/a	n/a	n/a	n/a	\$38,629	\$44,085	\$50,949	\$67,373	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Short-term on-the-job training	
49-2098	Security and Fire Alarm Systems Installers	n/a	n/a	n/a	n/a	\$37,953	\$51,313	\$49,047	\$61,826	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	179	184	5	2.8%	\$44,442	\$62,175	\$66,772	\$78,065	5	10	2	17	Postsecondary non-degree award	None	None
49-3021	Automotive Body and Related Repairers	956	980	24	2.5%	\$41,442	\$52,246	\$55,298	\$62,438	30	58	12	100	High school diploma or equivalent	None	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	3,455	3,522	67	1.9%	\$35,425	\$47,993	\$46,811	\$59,922	104	236	34	374	Postsecondary non-degree award	Less than 5 years	Short-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,610	1,645	35	2.2%	\$43,942	\$52,721	\$53,082	\$62,148	46	102	18	166	High school diploma or equivalent		Long-term on-the-job training
49-3041	Farm Equipment Mechanics and Service Technicians	89	91	2	2.3%	\$37,789	\$49,245	\$47,591	\$60,046	2	6	1	9	High school diploma or equivalent		Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,059	1,121	62	5.9%	\$42,291	\$50,705	\$49,578	\$59,486	32	74	31	137	High school diploma or equivalent	None	Long-term on-the-job training
49-3043	Rail Car Repairers	216	220	4	1.9%	\$42,092	\$46,309	\$46,294	\$50,495	6	14	2	22	High school diploma or equivalent	None	Long-term on-the-job training
49-3052	Motorcycle Mechanics	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	Short-term on-the-job training	
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	76	79	3	4.0%	\$33,552	\$35,686	\$36,338	\$39,124	4	5	2	11	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	n/a	n/a	n/a	n/a	\$33,096	\$40,931	\$37,731	\$45,902	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-3093	Tire Repairers and Changers	729	754	25	3.4%	\$27,708	\$33,092	\$31,265	\$37,667	23	62	12	97	High school diploma or equivalent	None	Short-term on-the-job training
49-9011	Mechanical Door Repairers	n/a	n/a	n/a	n/a	\$47,076	\$71,460	\$64,346	\$84,249	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door Repairers	n/a	n/a	n/a	n/a	\$42,075	\$56,305	\$51,549	\$64,218	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,355	1,421	66	4.9%	\$39,590	\$53,311	\$50,680	\$66,486	36	94	33	163	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	
49-9041	Industrial Machinery Mechanics	n/a	n/a	n/a	n/a	\$44,111	\$51,866	\$50,084	\$59,576	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	458	490	32	7.0%	\$36,701	\$47,613	\$45,166	\$57,331	16	26	16	58	High school diploma or equivalent	None	Long-term on-the-job training
49-9044	Millwrights	134	141	7	5.2%	\$52,046	\$66,393	\$71,451	\$78,132	4	8	4	16	High school diploma or equivalent	None	Apprenticeship
49-9051	Electrical Power-Line Installers and Repairers	384	392	8	2.1%	\$65,087	\$79,213	\$82,280	\$96,990	8	26	4	38	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	n/a	n/a	n/a	n/a	\$35,432	\$46,703	\$42,877	\$56,594	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training
49-9061	Camera and Photographic Equipment Repairers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	
49-9062	Medical Equipment Repairers	378	386	8	2.1%	\$34,526	\$47,349	\$43,965	\$59,322	16	23	4	43	Associate degree	None	Moderate-term on-the-job training
49-9063	Musical Instrument Repairers and Tuners	n/a	n/a	n/a	n/a	\$35,144	\$37,338	\$37,439								

51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	452	459	7	1.6%	\$38,547	\$51,098	\$50,263	\$64,508	12	32	4	48	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9141	Semiconductor Processors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Short-term on-the-job training
51-9161	Computer Numerically Controlled Tool Operators	318	314	-4	-1.3%	\$36,311	\$45,460	\$45,165	\$53,199	11	24	-2	33	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9162	Computer Numerically Controlled Tool Programmers	47	49	2	4.3%	\$46,783	\$58,245	\$57,137	\$64,431	2	4	1	7	Postsecondary non-degree award	None	Moderate-term on-the-job training
51-9191	Adhesive Bonding Machine Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	37	36	-1	-2.7%	\$32,218	\$38,499	\$36,925	\$43,793	1	2	0	3	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training
51-9194	Etchers and Engravers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	306	319	13	4.3%	\$31,813	\$37,494	\$36,739	\$41,097	11	20	6	37	High school diploma or equivalent	None	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,028	1,005	-23	-2.2%	\$30,647	\$38,026	\$37,831	\$45,350	46	68	-12	102	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9197	Tire Builders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	Moderate-term on-the-job training
51-9198	Helpers—Production Workers	856	881	25	2.9%	\$25,098	\$32,046	\$30,776	\$38,041	41	82	12	135	High school diploma or equivalent	None	Short-term on-the-job training
51-9199	Production Workers, All Other	580	593	13	2.2%	\$36,277	\$46,218	\$45,067	\$53,615	20	44	6	70	High school diploma or equivalent	None	Moderate-term on-the-job training
53-0000 Transportation and Material Moving Occupations		49,380	51,518	2,138	4.3%	\$26,325	\$36,440	\$32,897	\$44,325	2,408	3,914	1,069	7,391			
53-1041	Aircraft Cargo Handling Supervisors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None
53-1047	Firstline Supervisors of Transportation & Material Moving Workers,	n/a	n/a	n/a	n/a	\$42,524	\$56,034	\$51,642	\$66,324	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None
53-2011	Airline Pilots, Copilots, and Flight Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
53-2012	Commercial Pilots	n/a	n/a	n/a	n/a	\$82,430	\$98,977	\$96,472	\$107,144	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-2021	Air Traffic Controllers	70	73	3	4.3%	\$87,261	\$106,193	\$111,340	\$119,097	2	5	2	9	Associate degree	None	Long-term on-the-job training
53-2022	Airfield Operations Specialists	71	77	6	8.5%	\$25,207	\$39,855	\$36,166	\$54,196	2	5	3	10	High school diploma or equivalent	None	Long-term on-the-job training
53-3031	Driver/Sales Workers	2,048	2,165	117	5.7%	\$20,588	\$29,468	\$24,389	\$37,462	86	143	58	287	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	7,914	8,120	206	2.6%	\$36,697	\$45,945	\$45,674	\$52,798	328	544	103	975	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	4,025	4,343	318	7.9%	\$22,147	\$32,989	\$31,898	\$40,662	172	284	159	615	High school diploma or equivalent	None	Short-term on-the-job training
53-3052	Bus Drivers, Transit and Intercity	n/a	n/a	n/a	n/a	\$34,515	\$43,172	\$43,995	\$52,045	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	3,847	3,974	127	3.3%	\$21,019	\$30,153	\$27,484	\$36,495	258	194	64	516	No formal educational credential	None	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	n/a	n/a	n/a	n/a	\$32,013	\$42,374	\$43,149	\$52,841	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-4011	Locomotive Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firemen	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-4099	Rail Transportation Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None
53-5022	Motorboat Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None
53-6011	Bridge and Lock Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
53-6021	Parking Lot Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-6041	Traffic Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6051	Transportation Inspectors	126	127	1	0.8%	\$69,877	\$94,496	\$98,318	\$113,663	4	9	0	13	High school diploma or equivalent	None	Moderate-term on-the-job training
53-6061	Transportation Attendants, Except Flight Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	306	323	17	5.6%	\$26,037	\$30,105	\$29,193	\$32,262	14	28	8	50	High school diploma or equivalent	None	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-7021	Crane and Tower Operators	65	67	2	3.1%	\$40,509	\$67,417	\$74,001	\$86,459	2	5	1	8	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7031	Dredge Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training
53-7041	Hoist and Winch Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	2,984	3,224	240	8.0%	\$33,128	\$43,628	\$43,369	\$51,702	94	238	120	452	No formal educational credential	None	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	1,529	1,594	65	4.3%	\$20,817	\$26,487	\$24,512	\$29,856	76	139	32	247	No formal educational credential	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	7,903	8,172	269	3.4%	\$27,717	\$33,315	\$31,603	\$37,877	352	700	134	1,186	No formal educational credential	None	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	182	183	1	0.6%	\$27,500	\$40,092	\$39,416	\$53,027	10	14	0	24	No formal educational credential	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	1,191	1,231	40	3.4%	\$20,797	\$27,975	\$25,685	\$34,025	69	98	20	187	No formal educational credential	None	Short-term on-the-job training
53-7065	Stockers and Order Fillers	10,914	11,487</td													